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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

S-E-C-R-E-T

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

report on geological research in Czechoslovakia. The report includes information on the organization of research, the various institutes and companies engaged in research, and the locations of deposits. exploration is divided into four groups, metalliferous minerals, nonmetalliferous minerals, uranium group ores, and oil and coal. Sketches show the locations of deposits.

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC					

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

INFORMATION REPORT INFORMATION REPORT

September 1956.

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Subject : Geological ~~exploratory~~ Research conducted in the CSR. work, ~~in CSR~~.

1. [redacted] introduction : 25X1

After 1948, an extraordinary attention was paid by the communist regime to the geological explàratoty work in CS[R], aimed towards more detailed knowledg of already known mineral deposits in CSR, and towards discovery of new locations of such deposits on CSR territory. The iniciative came from the part of Soviets themselves, who, right after the putsch, have taken over the production of uranium ore at JACHYMOV, and conducted intensive search for uranium ore deposits in the area of Western Bohemia. This exploratory work was taken gradually over by Czechoslovak authorities themselves as they gained the necessary experience, and is at present being carried out on grand scale and with great efforts, but also with haste and without apparent system as can be seen from its organisation.

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[redacted] the majority of drill workers with the 25X1

exploratory companies (which were of the most part formed after the putsch in 1948) [redacted]

[redacted] are former middle class people and 25X1

intelectuals, classified as "capitalists", who were asked to "volunteer" for jobs in production. Many were from Prague, where their families still lived. They managed to get into hard, but well paid jobs with exploration companies by quitting in time 25X1

their former profession during repeated "over into production" drives. [redacted]

[redacted]

2. The geological exploratory work in CSR is at present time organised as follows :

I.

Basic geological research.
(PROSPECTING)

This is the geological work by analysing - geophysical research

geological formations and determining possible locations of mineral and oil deposits, on the basis of which then the basic geological exploratory drillings and tests are carried out. If these prove positive, the work is then turned over to exploration

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companies listed below, which then carry out the systematical exploration and tracing of the field concerned by the way of pattern drilling.

This basic work is done (from the greater part) by "Ustredni ustav geologicky", Prague, Stare Mesto, Hradebni 9. However it is believed, that among other institutions ~~from~~ those listed at the end of this report, are cooperating with UUG in this field, and some of exploration companies take part in basic research at least in practical drilling tests, as UUG cannot cope with the amount of exploratory work at hand, alone. [redacted] practical exploratory 25X1 research work (drilling) for oil and uranium is not done by UUG, but is exclusively carried out by oil and uranium exploration companies as described below.

The field drilling for UUG is executed by its "Oddil pro zemevrtny pruzkum" (Department for geological exploratory drillings) as already mentioned. This department is equipped ~~by~~ with :

a) Approx. 50 fixed drilling assemblies, out of which 2 are deep boring drills (depth reach 1,400 m) of East German provenience. The rest are "AG 500" and "AG 300" drills of 500 resp. 300 metres depth reach, and Soviet make drills of similar class.

b) About 10 car-mounted drills of Soviet manufacture, of 60 m depth reach, for close surface work.

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[redacted] the drilling work is hindered by lack of good quality drilling tubes and borers (drill-bits). The tubes often break in their threads with consequent difficulty in extracting the bits from the shaft. Otherwise, the internal organisation of drilling work is good. With UUG, the drill worker earns between 1,800 - 2,000 Kcs per month.

The drilling sites [redacted]: 25X1

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HRACHOLUSKY (7 miles south of RAKOVNIK). 25X1

[redacted] drillings [redacted] revealed deposits of colored clays (such as ochre). The location of the deposits is half-a-mile northwest of HRACHOLUSKY village (as indicated on sketch No.1).

/: No indication found in 1955 phone directory, in the area, about this activity:/

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RADNICE and MYTO V CECHACH. 25X1

[redacted] drillings [redacted] revealed deposits of iron pyrites at the site 1 mile east of RADNICE. The area is intensively mined for coal. In the area around MYTO, drillings for iron pyrites were made and deposits of iron pyrites were found as indicated (Sketch No.2). The exploratory work in both areas is still in progress.

/: No indications of activity found:/.

[redacted] 25X1

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HORNI VERNEROVICE and MARKOUSOVICE - BOHDASIN (near TRUTNOV).

The whole area is a centre of intensive mining and exploratory activity (coal, copper, uranium), and UUG, Soviet army, "Jachymovske doly", and "Severocesky rudny pruzkum", all took part in the exploratory work at one time or another (for later companies activity see below). 25X1 25X1

UUG test drillings for copper at the site south of HORNI VERNEROVICE (sketch No.3), with negative results. Other test drillings were made by UUG in the MARKOUSOVICE - BOHDASIN area, where traces of coal and copper were found (the neighbouring SVATONOVICE area is mined for black coal). The exploratory work is still going on, but only by "Severocesky rudny pruzkum" company.

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SADEK u ZATCE.

drillings west of SADEK village (6 miles south of ZATEC) SKETCH No. 4 in search for kaolin earth deposits. Drillings were positive. The area southwest of ZATEC provides kaolin clay for porcelain industry at PODBORANY. /: "Podboranske kaolinove a hlinne zavody n.p." (Podborany kaolin and clay plants) are located at LIBORICE - MECHOLUPY, HLUBANY and NEPOMYSL:/.

SOVOLUSKY near PRELOUC.

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UUG made preliminary drillings there in 1954 for iron and manganese pyrites. After both ores were successfully located there, the work was turned over to "Ceskomoravsky rudny pruzkum" (see below), sketch No.5.

/: UUG is located in Prague, Stare Mesto, Hradebni 9, with its chemical laboratory at Letna, Kostelni 26, geophysical department at Hradcany, Loretanska 3 and technical department at Brevnov, Zeyerova alej 37. A subdivision of UUG is located in BRNO, Namesti Druzby narodu 5, ~~and~~ in NOVA BANA (Slovakia) ~~=~~ and in ROZNZVA (Slovakia).

II.

Location of deposits.

The detailed tracing of located deposits and mining preparatory work is carried out by exploration companies as listed below. They are grouped according to geological field in which their activity is confined :

A) Metalliferous minerals,

B) Non-metalliferous minerals,

C) Uranium ~~gropp~~ ores,

D) Oil, and coal.

The exploration companies of group C) and D) also carry out exclusively the basic geological research in their competent fields.

A)

Metalliferous minerals group activity.

a) "Severocesky rudny pruzkum, n.p." (North Bohemian company for exploration of metalliferous minerals, national entreprise). This company was formerly located at OSEK u DUCHCOVA, later it moved to its present location at TEPLICE, Nejedleho nam.4. The territory, on which the company works, covers the northern part of Bohemia (including KRKONOSE mountains), with its eastern boundary close to NACHOD.

The company uses mostly "Madrille" type of drilling assemblies of Hungarian manufacture. Drill workers of this company earn about 2,000 to 3,000 Kcs per month.

Drilling sites :

PEC in KRKONOSE.

The site is located two and half mile due south of SNEZKA (Point 1603 m), near the village PEC (see sketch No. 6). The drilling work there ended in 1954 and since 1955 the site is closed to public. 25X1

the work revealed traces of ore containing minerals of the uranium group. 25X1 no production mining or preparations for it took place there yet.

JANSKE LAZNE.

The site is located on the southern slopes of point 1299 CERNA HORA, between CERNY DUL village and JANSKE LAZNE holiday resort (sketch No. 6). The drilling

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work is still going on at present and it revealed traces of uranium group ore similar to that discovered at PEC. the drilling will be soon 25X1 taken over by"Jachymovske doly n.p.".

HORNI VERNEROVICE and MARKOUSOVICE - BOHDASIN (near TRUTNOV).

(see also paragraph I).

Drillings were made at the site of old copper mines west of HORNI VERNEROVICE (sketch No.3), revealing deposites of copper pyrites, and a new copper mine is under construction there. Just south of this site, the Soviet army made test drillings in about 1948, probably for uranium, but without success.

Depth drillings in the MARKOUSOVICE - BOHDASIN area also led to discovery of presence of black coal and copper, and the exploratory work is still going on.

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b) "Zapadocesky rudny pruzkum n.p." (West Bohemian company for exploration of metalliferous minerals, national entreprise), management located in Prague - Holesovice, Kommunardu 6. This company works on territory of Western and Central Bohemia. It has about 50 drilling assemblies in action at present, but details on its technical equipment are not known to Source. Drill workers monthly average salary is there about 1,500 - 2,000 Kcs.

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Drilling sites :

MNISEK pod BRDY.

There have been rumours that uranium ore deposits were found at MNISEK. this is not true, the drillings traced deposits of iron pyrites and of colored clay substances (ochre and other clays). The site of these deposits is located as indicated (sketch No. 7). The ore is being mined and processed (sorting and melting process) at "Hrudkovny a doly n.p." (Mines and ore processing plants, national entreprise) at MNISEK.

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EJPOVICE.

This site is located just north of EJPOVICE (4 miles west of ROKYCANY). SKETCH N° 8 Test drillings there revealed further deposits of iron pyrites so that the present mining area is being extended. The ore is processed at the local ore sorting plant. Beside two mines now working, new ones are under construction.

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[redacted] 25X1

[redacted]

c) "Ceskomoravsky rudny pruzkum, n.p. (Bohemian - Moravian company for exploration of metalliferous minerals, national entreprise), management located at KUTNA HORA, Husova 148.

Its territory of work covers the eastern part of Bohemia and the western part of Moravia. The number and kind of equipment used is [redacted] known [redacted] 25X1 25X1 [redacted] partly : At CHVALETICE site, about 30 drill assemblies of AG - 500 and AG - 300 are BEING used at present. 25X1

Drilling sites :

ZLATE HORY na MORAVE (formerly CUKMANTL).

This location is 3 miles due east from ZLATE HORY, between point 785 SILBERKP (on Czech-Polish border line) - point 664 - point 625 KLEIN SILBERKP, on the edge of the complex of woods between point 625 KLEIN SILBERKP and point 664. The entire area, called SILBERGRUND, is site of abandonned old mines. Drillings revealed very large deposits of pure quality iron pyrites. Soundings were made up

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to the depth of 400 metres. Source believes that these deposits are surpassing by the quality of ~~the~~ ore any other known CSR deposits of this kind. 25X1

25X1 no work was started yet to develop the find.

KUTNA HORA.

Iron pyrites deposits were found at the site of old silver mines at KANK, north of KUTNA HORA (sketch No. ~~6~~ 9), and mining is going on. 25X1

CHVALETICE near PREROUC.

In the area CHVALETICE - MORASICE - SOVOLUSKY, large deposits of iron pyrites and manganese pyrites of very high grade were located (sketch No. ~~7~~ 5). In 1954, UUG also has taken part 25X1 in the exploratory work there. The tracing of the field is still going on at present and is concentrated in SOVOLUSKY area, where about 60 drilling assemblies are in action. The number of mines working at present is unknown in 1954, 25X1 several were under construction for both deep and surface minnig. The ore is being sorted and processed at the plant located near CHVALETICE willage as indicated on

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the sketch. At the site 1 mile north of CHVALETICE, between TELCICE and RECANY nad LABEM, sedimentation installations are located. The sulfuric and manganic acid, produced by burning of pyrites, is then shipped to RYBITVI chemical plant (near BOHDANEC) for production of potassium compounds.

d) "Zapadoslovensky rudny prieskum n. p." - see page 13 a.

e) ~~d)~~ "Vychodoslovensky rudny ~~xxxxxxxx~~ prieskum, n.p. (East Slovakian company for exploration of metalliferous minerals, national entreprise), based at SPISSKA NOVA VES, Sirokeho 69. For its activity, see below, extracts from Czechoslovakian press.

B)

Non - metalliferous minerals group activity.

This group of companies work on location of non - metalliferous minerals such as silica, limestone, gravel, construction stones, slate, clays (graphite, kaolin, coloured clays) and other such minerals used in glass -,

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d) "Zapadoslovensky rudny prieskum, n. p. (West Slovakian compamy for exploration of metalliferous minerals, national entreprise), management located in TURČIANSKE TEPLICE, Razusova 47.

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building, ceramics, chemical and other industries. These companies also help in locating water resources and establishing geological analysis for deep underground construction work.

a) "Zemevrtny pruzkum a sondy, n.p." (Earth drillings exploration and soundings company, national entreprise), Prague II, Namesti Max. Gorkeho 7.

This company works on close surface drillings for stone quarries, brick-kilns, construction sites etc. It has about 80 close surface drilling assemblies at its disposition. The average drill worker earns there about 1,500 - 2,000 Kcs.

the company works in Bohemia and Moravia.

b) "Moravske zemevrtne zavody, n.p." (Moravian earth drilling company, national entreprise), BRNO, Vlhka 4.

c) "Nerudny pruzkum, n.p." (Company for exploration of non - metalliferous ores), BRNO, Trida kpt. Jarose 28.

d) "Slovenske zemevrtne zavody, n.p." (Slovakian earth drilling company, national entreprise), BRATISLAVA, Stefanovicova 1. [redacted] the Slovak administration has its separate organisation for geological exploration. Subsidiaries to this company were identified in KOSICE, Thaellmannova 2, and in ZILINA, Olomoucka cesta and Rajecka cesta (two locations).

C)

Uranium group ores.

In this group of exploration work, both the basic research and detailed tracing is done exclusively by "Jachymovske doly n.p." (Jachymov mines, national entreprise) concern. This company is equipped for exploration work by Soviet drilling equipment, but also by most modern Czech made drilling assemblies, made allegedly in BRANDYS nad LABEM. Also [redacted] its personel is most experienced of all other companies personel in drilling and boring, and [redacted] deflecting drillings are made by this company with shafts angle up to 70 degrees. Also, the workers there are paid the top wages in mining industry, with average earnings from 2,000 to 4,000 Kcs.

Drilling sites.

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[redacted]

RADVANICE.

SKETCH No 3

On the site of old copper mines, the test drillings were made by "Jachymovske doly" in about 1948, and they revealed the deposits of ore of the uranium group minerals. From about 1954, the mining of uranium ore is in progress, and about 3,000 workers are said to be ~~engaged~~ working in unknown number of mines in this area.

There are no forced labour camps in RADVANICE area

HORAZDOVICE - BABIN.

Recently (in 1955), deposits of uranium ore were discovered 2 miles north east of HORAZDOVICE (sketch No. ~~8~~ 10).

these uranium deposits have a higher grade uranium ore than those in JACHYMOV area. the contains of uranium in the ore are 7%. In the spring 1956, mines were already under construction in the area.

PRIBRAM.

In 1950,

about 200 prisoners worked on camp construction site, and about1200 prisoners were

working in uranium mines (sketch No. ~~9~~ 11), located in ZEZICE village area.

In 1951, forced labour camps in the area (TNP) were disbanded, and instead, political prisoners replaced ~~them.~~ TNP inmates Since, the camps in the area were substantially enlarged and new sites were constructed. At present, the number of political prisoners detained in the PRIBRAM area for mine work is 25X1 about 10,000, (sketch No. ~~10~~ 12). 25X1

Beside old camps VOJNA I, VOJNA II and BROD, there is newly constructed camp MILIN in the vicinity of MILIN village. 25X1 the living and working conditions 25X1 there are extremely bad and many attempts were made to escape from the camps, especially in 1955. at present 5 mines are opened and fully 25X1 mined in PRIBRAM area.

"Jachymovske doly n.p.-Inspektorat (Inspectorate) PRIBRAM". There is 25X1 also some activity of "Zapadocesky rudny pruzkum" in the area, near VRANCICE, see "ZRP". XX Other places, where the activity of "Jachymovske doly" was identified, are : KARLOVY VARY, OSTROV u KARLOVYCH VARŮ, PLANA u MARIANSKYCH LAZNI, HORNI SLAVKOV, and JACHYMOV with its "Ustredni sprava vyzkumu a tezby reaktivnich surovin " (Central administration of exploration and mining of re-active raw materials) :/

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D)

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Oil and coal.

Oil basic research, tracing and mining, all are done exclusively by "Ceskoslovenske naftove doly n.p." (Czechoslovak oil wells, national entreprise), with management located in HODONIN. However, this company has special departments to deal with prospecting exploratory works : "Hlubinna vrtba, n.p." (Deep boring, national entreprise), HODONIN, Videnska 6 (with "Vrtni sklad (drilling store) 'MUNA'" in POSTORNA), "CND - Geologicky pruzkum n.p." (Geological exploration, national entreprise), BRNO, Mozartova 1, and "Ustav pro naftovy pruzkum" (Institute for oil research), BRNO, Mozartova 1 # See also page 18 a.

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Coal basic research is done mainly by UUG as already described, but also by exploration companies themselves. These are organised geographically :

a) Bohemia and Moravia.

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"Uhelny pruzkum, n.p." (Coal exploration company, national entreprise), has its management in OSTRAVA I, Dimitrovova ul.

subsidiaries at these locations : SOKOLOV, MISTEK - BASKA (designated as "Hlavni sklad" - main store), OSEK u DUCHCOVA, Sokolska 288, TRUTNOV, ZACLER ("Pracoviste" - working site - KRALOVEC), OPAVA, Brezinova 6 ("Skola"-school), HODONIN, Ocovska ul.

b) Slovakia.

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Oil wells in production were identified at following places : GBELY, LUZICE near HODONIN, STEFANOVA near PEZINOK, VELKE BILOVICE near BRECLAV and MORAVSKA NOVA VES. Further oil prospecting is being done in these areas by "Hlubinna vrtba n.p.".

b) Slovakia,

"Uhelny prieskum, n.p." (Coal exploration company, national entreprise), management located at TURCIANSKE TEPLICE, subsidiary located at SOBRANCE, and HANDLOVA.

Other institutions directly engaged in exploration work in this field, are : "Geologicky pruzkum paliv" (Geological exploration of combustible materials), OSEK u DUCHCOVA, "Ustav pro pruzkum uhelnych lozisek", (Institute for exploration of coal deposits), TEPLICE, U hadich lazni 64, and "Geologicky prieskum paliv" (Geological exploration of combustible materials), TURCIANSKE TEPLICE.

3. These companies and institutions (including those listed below) are in competency of four state ministries :

a) "Ministerstvo huti a rudnych dolu" (Ministry of foundries and metalliferous mines), directing the metal industry,

b) "Ministerstvo chemickeho prumyslu" (Ministry of chemical industry), as far as chemical processing of coal, oil, and other materials is concerned,

c) "Ministerstvo paliv" (Ministry of combustible materials), of fuel as far as procurement of combustible materials is involved,

d) "Ministerstvo stavebnictvi" (Ministry of building construction)

involving construction materials based on non-metalliferous ores and clays.

However, other state ministries are interested indirectly in geological field : "Ministerstvo spotrebniho prumyslu" (Ministry of consumption industry) with its glass and ceramics industry, "Ministerstvo skolstvi" (Ministry of education) through the Czechoslovak Academy of Science ~~and Arts~~ and Slovak Academy of Science. The exact organisational set-up and co-ordination among all parties concerned is not known here.

Among those institutions, which take direct or indirect part in the field of geological exploration (including those engaged in research and consulting activity), and which are co-operating with the companies and institutions already mentioned, are :

- "Statni ustav pro projektovani hutnich zavodu - HUTNI PROJEKT" (State institute for projects of foundries), Prague,

- "Statni ustav pro projektovani rudnych dolu - RUDNY PROJEKT" (State institute for projects of metalliferous mines), Prague.

- "Statni ustav pro projektovani uhelnych dolu a zavodu naftoveho prumyslu - BANSKE PROJEKTY" (State institute for projects of coal mines and oil industry plants), Prague.

- "Statni ustav pro projektovani zavodu chemickeho prumyslu - CHEMOPROJEKT" (State institute for projects of chemical industry plants), Prague.

- "Statni ustav pro projektovani zavodu prumyslu stavebnich hmot a keramiky - KERAMOPROJEKT" (State institute for projects of plants of ~~industry for~~ construction materials and keramics industry) , Prague.

These institutes are believed to be under direct competency of the ministries concerned, and to have departments directly concerned with geological exploration /: Thus were identified : "Hlavni sprava plynu a geologickeho pruzkumu" (Main administration for gas and geological exploration), Prague, Nove Mesto, Lazarska 6, as a departement in "Ministry of fuel", and "Mericsko-geologicky odbor", (Survey and geological departement) Prague, Mala Strana, Besedni 3 , as a department in "RUDNY PROJEKT" institute :/.

4. Beside the ministries and project institutes, named above, the following institutions are engaged in work in the field of geological exploration :

a) "Ceskoslovenska akademie ved" (Czechoslovak academy of Science), Prague, with its subdivisions :

- "Laborator hutnicka" (Metallurgic laboratory), Liben, Sokolovska 961,

- "Mineralogicko-geologicky ustav" (Mineralogical and geological institute), Stare Mesto, Narodni tr. 5,

- "Geologicko-geografická pracoviste CSAV" (Geological and geographical working sites of CSAV), Prague (several addresses).

-"Laborator pro studium kovu" (Laboratory for study of metals), Brno, Veveri 95.

b) "Slovenska akademie vied" (Slovak academy of science), Bratislava, with subdivisions :

- "Geofyzikalne laboratorium" (Geophysical laboratory), Bratislava, Ul. Obrancov mieru 41.

c) "Geologicky ustav D. STURA" (Geological institute D. STURA), Bratislava.

d) "Ustav pro vyzkum rud, resortni ustav MHD" (Institute for mineral research, departmental institute of MHD) at :

- Prague, Hodkovicky, Modranska 23,
- Pribram, 106/I,
- Kutna Hora, Hlousecka 279,
- "Geofyzikalne stredisko" (Geophysical center), Bratislava, Molotovova 22,
- "Vyskumne stredisko, banske museum" (Research center, mining museum), Banska Stiavnica.

e) "Vyzkumny ustav pro mineraly" (Research institute for minerals), Turnov, Stalinova 175.

f) "Vyzkumny ustav kovu" (Metal research institute), Panenske Brezany, p. Odolena Voda (departmental institute of MHD).

g) "Statni ustav geofysikalni" (State geophysical institute), Prague, Nove Mesto, U Karlova 3.

h) "Vyzkumny ustav pro zuslechtovani rud" (Research institute for refinement of MINERAL ~~ores~~), Prague, Vysocany, Ul. Kurta Konrada 16, (departmental institute of MHD).

i) "Vyzkumny ustav organickych synthes " (Research institute of organic synthesis), Pardubice - Rybitvi, and its subsidiary "Vyzkumna laborator" (Research laboratory), Praha, Dejvice, Technicka 1905.

5. Remarks : From the above information it can be seen, how a great effort is made by CSR communist regime to exploit the natural resources. There are two reasons for it : To gain the raw material basis for expansion of ~~the~~ present CSR industry, especially the heavy one, and, through discoveries of new ground riches, to capture the attention and enthusiasm of people in presenting them an awe-inspiring program of extraordinary achievements. This serves the regime well, both economically, and also politically in diverting the minds of people from present plight towards would-be prosperity in the future. Similar activity is probably going on in other satellite countries (in Russia it goes on unabatted for many

years now), and Russia is ecouraging these efforts for its own profit, as the example of uranium mining shows.

It can be also noticed, that this activity is lacking a clear-cut organisational set-up : There is no territorial competency, activities of various companies are overlapping , it is difficult to trace who is subordinate to whom (administrative bodies, various institutes and drilling companies) and how the co-ordination among so many participants in this geological activity is being carried out. This is undoubtedly still more complicated by separately directed efforts, by Slovak administration, in Slovakia.

Despite these drawbacks, some results were apparently achieved which will likely enlarge the basis of Czechoslovak industrial potential. In uranium mining field, such progress has much greater than just local significance. As a result, the position of CSR as a leading industrial state among satellites is going to be still more pronounced. The Soviets are certainly well aware of it and they are likely to be trigger-happy if CSR shows signs of unrest and so called "Titoism".

6. Attached are extracts and translations from CSR press regarding exploratory geological activity, to which Czechoslovak press pays a great attention.

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7. ~~X~~ The indication that some exploration activities are carried out in certain areas can be ascertained by presence of any of above named companies in the area or locality concerned. In this respect, the phone directory serves as a good lead, showing most of locations of prospecting activity as it stands at about the beginning of each year.

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Attachement to report on CSR geological exploration activity.

These are extracts and translation from CSR press regarding the geological exploration activity, as reported by the press in August, September and October 1956 :

1. "Rude pravo", August 5, 1956 :

In OSTRAVA - ZABREH area, the Czech made drill assembly "CRAELIUS - [redacted] 1200" is reported to have reached the depth of 1,200 metres.

"Vychodoslovensky rudny prieskum n. p." in KOSICE located large deposits of magnesit [redacted] said to be large enough to supply ore for the [redacted] KOSICE magnesit plant during the next 60 years.

2. "Mlada Fronta" September 8, 1956:

In the recent years, several coal deposits were discovered in Slovakia, and fields of known coal deposits were enlarged. In the East Slovakia, "Podvihorlatska uhelna panev" (VIHORLAT coal fields) was discovered, elsewhere "Modro-kamenska uhelna panev" (MODRY KAMEN coal fields), "Beladicka uhelna panev" (BELADICE coal fields) and recently "Pukanska uhelna panev" (PUKANEC coal fields) were found. "Handlovska uhelna panev" (HANDLOVA coal fields) and "Novacka uhelna panev" (NOVAKY coal fields) were checked. At some places the mining is going on, in Eastern Slovakia mines are under construction.

In fall 1955, "Geologicky ustav D. STURA" worked on basic research and prospecting in the PUKANEC area near BANSKA BYSTRICA, where are old abandoned mines (gold and silver). This drilling revealed deposits of lignit at 30 metres depth, which can be easily mined. The layers of clay around the deposits are of importance for keramics and chemical industry.

In May 1956, deposits of very good quality brown coal were traced in

Southern Slovakia near STUROVO, which are probably the continuation of Hungarian DOROG and TATBANYA coal fields. The drillings, based on grounds of a scientific calculation, confirmed that it is possible to determine scientifically the location of mineral deposits even without costly deep soundings.

Other geological discoveries made recently in Slovakia include also oil, earth gas and mineral ores.

3. "Rude Pravo", August 23, 1956 :

In PUKANEC area, near LEVICE, Slovakia, "Uhelny pruzkum" from TRENCIANSKE TEPLICE works on speedy exploration of the area. Previously, "Geologicky ustav DIONYZA STURA", Bratislava, made the basic research there and found a layer of lignit from 3 - 40 metres wide so located, that surface mining can be made there. The extent of the deposit is not known yet, but it is planned to complete the pattern tracing (100 metres by 100 metres) by the end of November 1956, so that preparatory project planing work for mining can be started.

4. "Mlada Fronta", August 1, 1956 :

"Uhelny pruzkum", CICENICE, works presently on prospecting for lignit deposits in the area between VODNANY and MALOVICE, and already has achieved positive results in tracing large lignit deposits in the area. The working section in the above named area is using drills of "B - 120" and "B - 12o - 5" type.

5. Prace", August 5, 1956 :

"Vrtni zavod" VELKE BILOVICE is reported using Soviet made drill assembly of the type "BU - 40".

6. "Prace", September 21, 1956 :

"Cs, jadrovaci souprava CR - 1200" drill of Czech manufacture used in the vicinity of MISTEK,(coal mining), is reported to have reached the depth of 1,211.6 metres.

7. XXX. "Prace" September 14, 1956 :

The paper reports about the exploration activity in BEZKYDY mountains especially in the vicinity of STARIC near MISTEK, where 18 drillings were XX made and the deepest one reached the depth od 1049 metres. Over 10,ooo soundings were made in the area, which revealed several tens of millions of tons of black carbon coal, located in approx. 500 metres debth. These deposits are believed to extend even further towards FRYDLAND. The prospecting will be carried out by "Uhelny pruzkum" also in the direction towards DOBRA, VOJKOVICE and CESKY TESIN.

In another article in the same edition, it is reported that six new mines (presumably coal mines) will be constructed in the second five years plan period at PASKOV, STARIC, SUCHA and STONAVA.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

8. XXX "Prace", September 9, 1956 :

The geological prospecting during the last two years revealed new deposits of coal, which represent, in black coal category, 29 times the amount, and in the brown coal category, 17 times the amount of (present) yearly production. This yearly production was stated to be in 1955 :

- black coal 22,1 million tons,
- brown coal and lignit 40,8 million tons.

In the last 5 years, 6 mines were put into production. In the second five years plan, the construction of 32 deep and surface mines is envisaged.

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9. "Ceskoslovensky Svet", October 4, 1956 :

Soviet made drill assembly of the most modern type is reported being used in oil drilling at PLAVECKY STVRTOK. The assembly is named "UM 5D", and is constructed as ~~XXXXXXXX~~ turbine drill, which increases the drilling speed three times over the other (present) types of drills.

At the other location of oil drillings in Southern Slovakia, the paper reports that the depth of 3,303 metres was reached, what is reported ~~as~~ to be the deepest sounding ever made not only in CSR, but in Central Europe. The type of drill used is not mentioned. It is said however, that the new drill assembly "CF - 600" of Czech make, which is going shortly in action, will be able to reach even greater depths.

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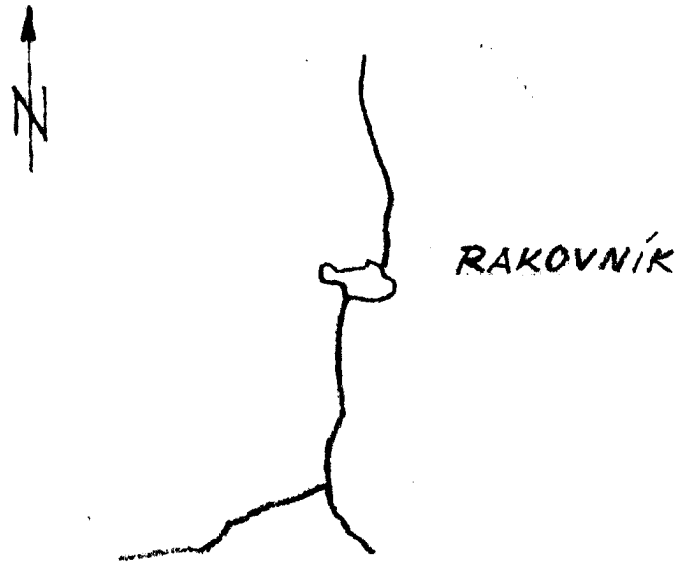

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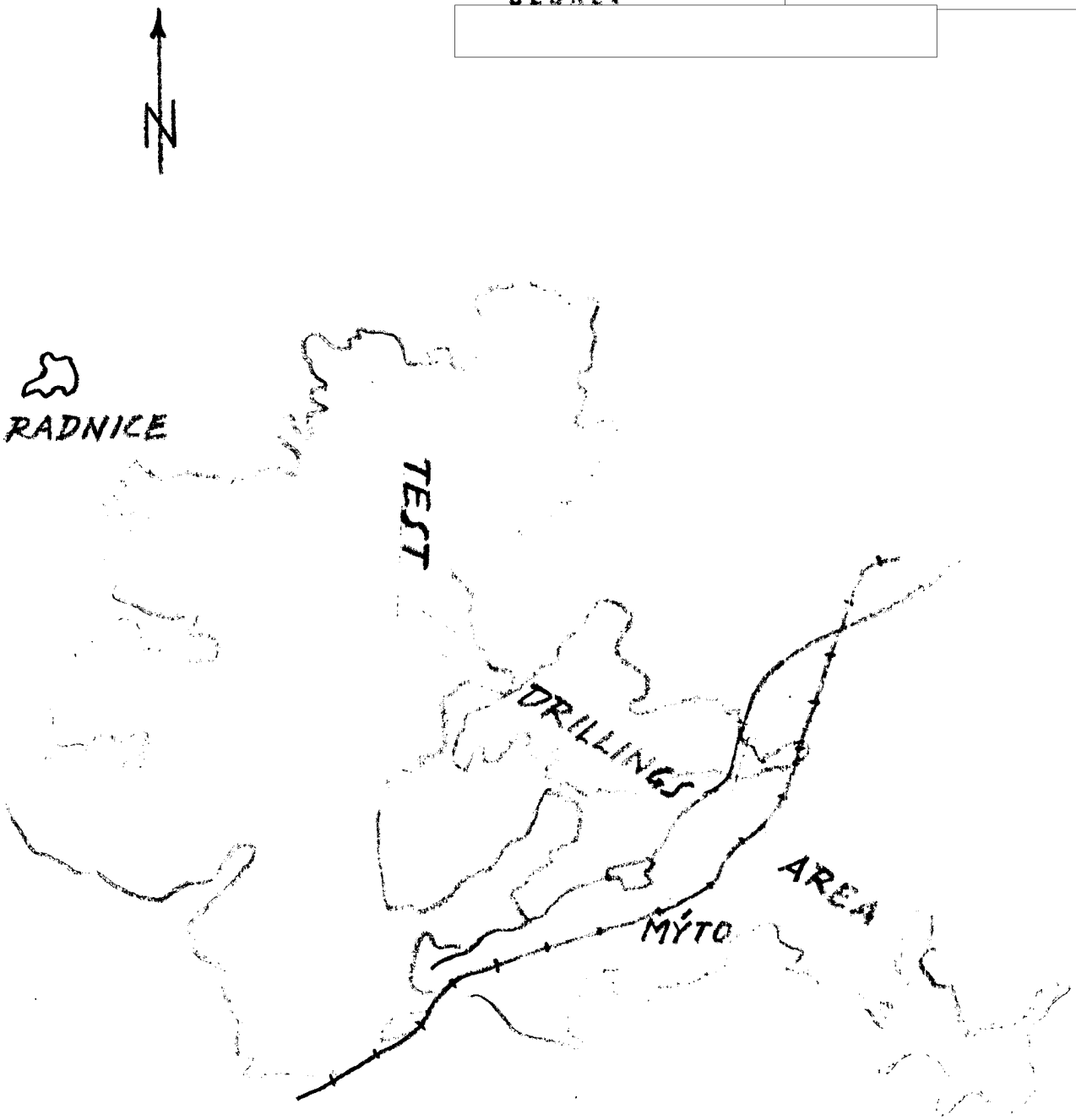

LOCATED DEPOSITS

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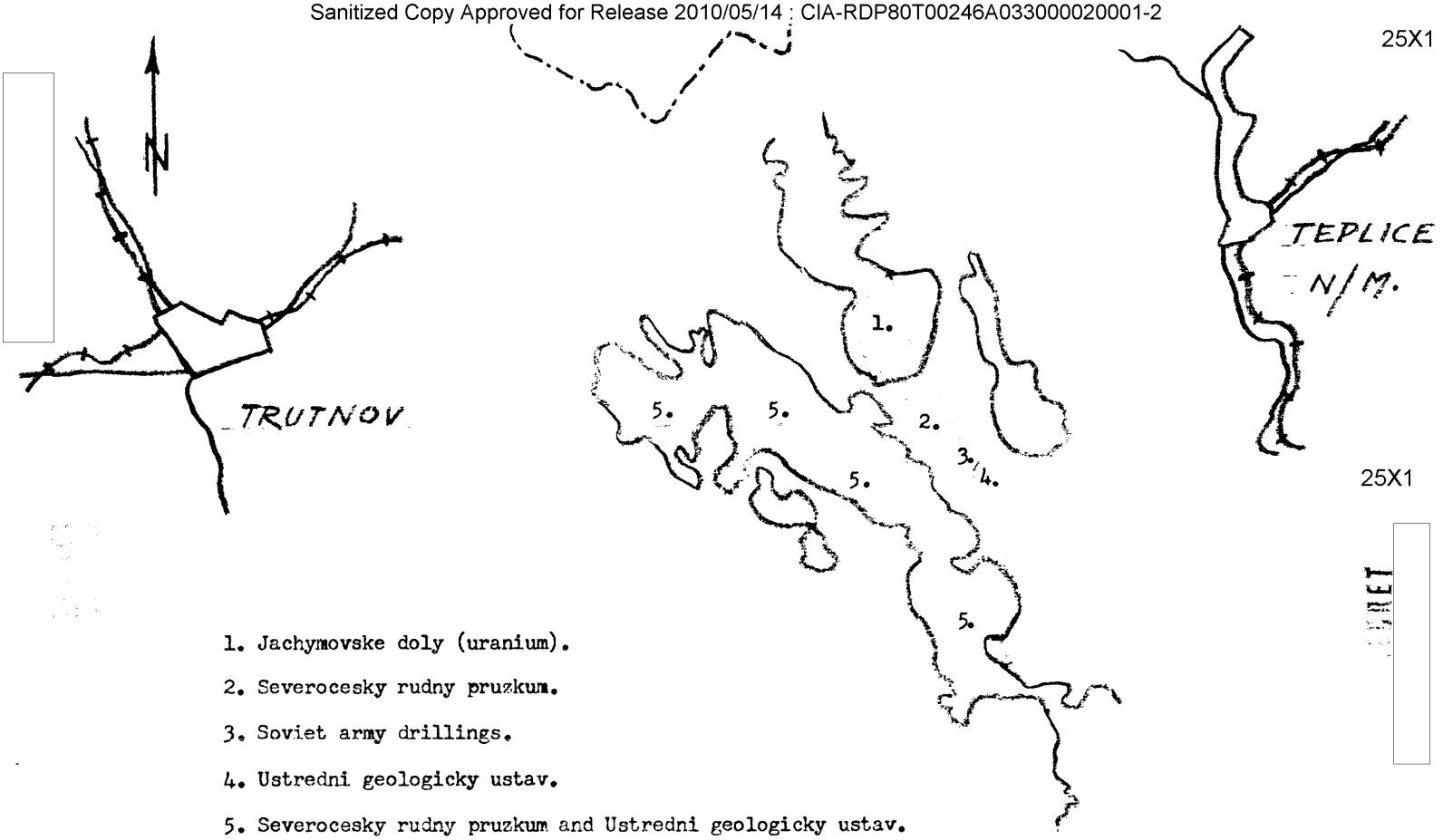

1. Jachymovske doly (uranium).
2. Severocesky rudny pruzkum.
3. Soviet army drillings.
4. Ustredni geologicky ustav.
5. Severocesky rudny pruzkum and Ustredni geologicky ustav.

SKETCH Nº 3 1 : 100,000 S-8

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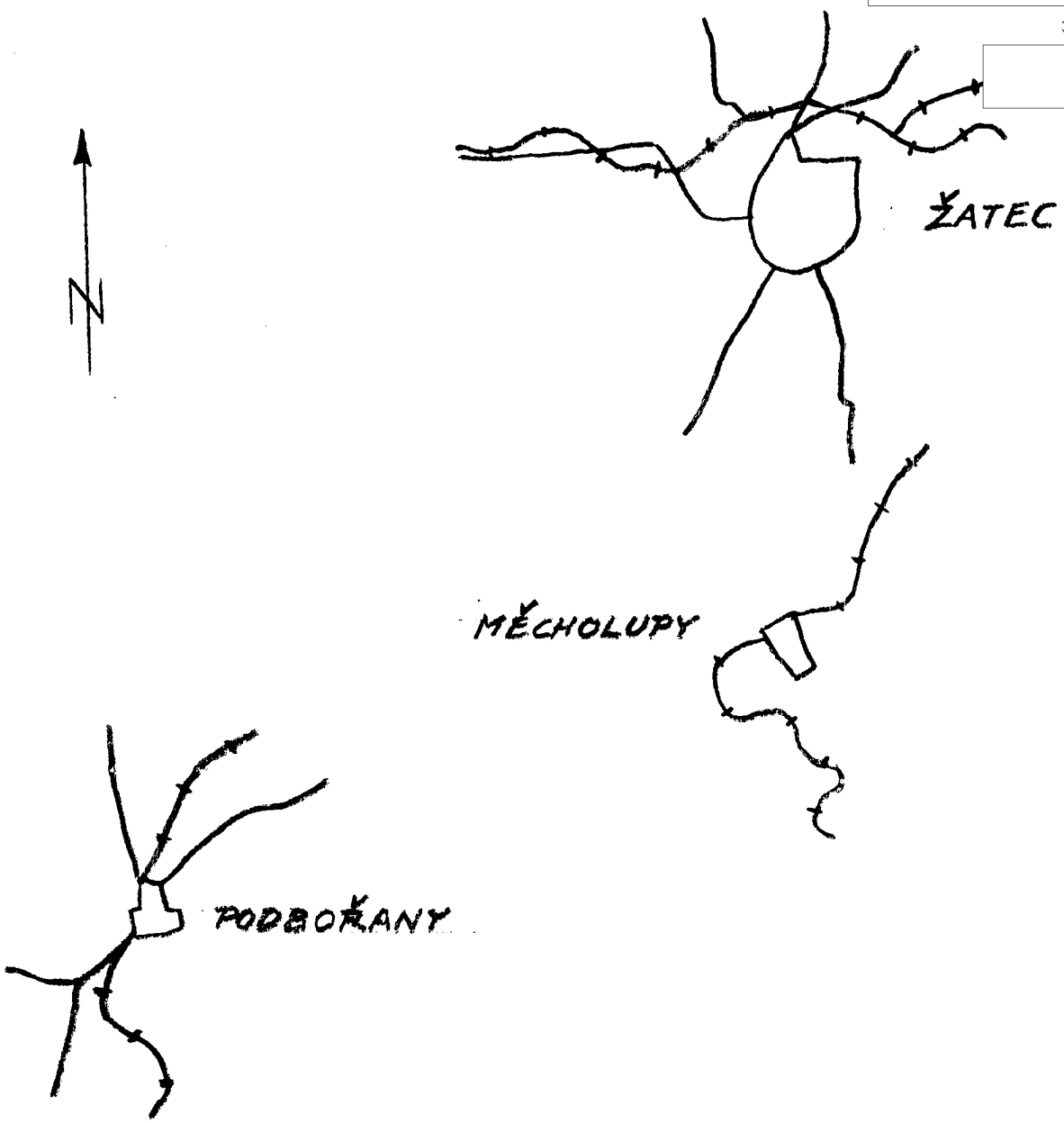

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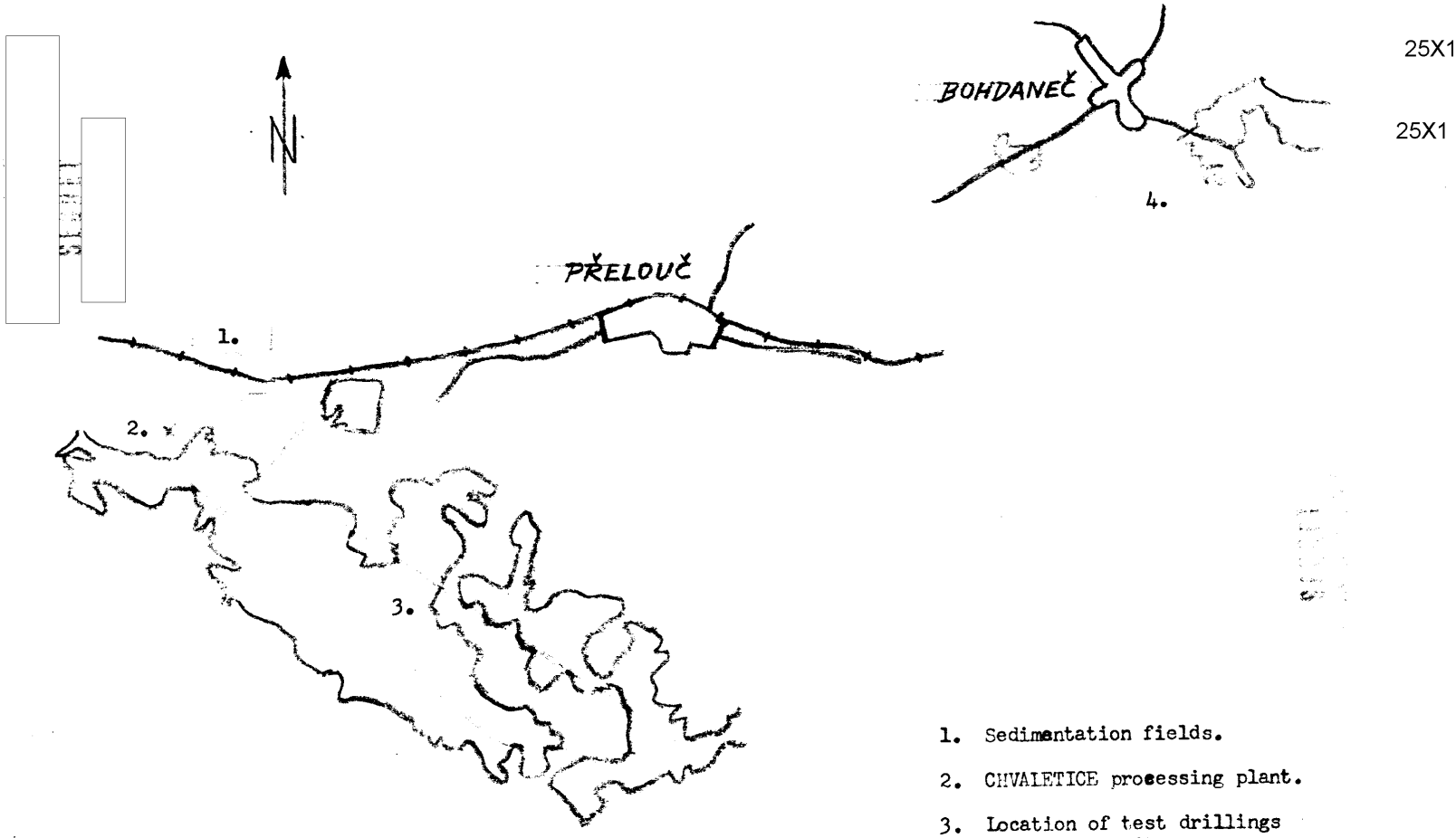

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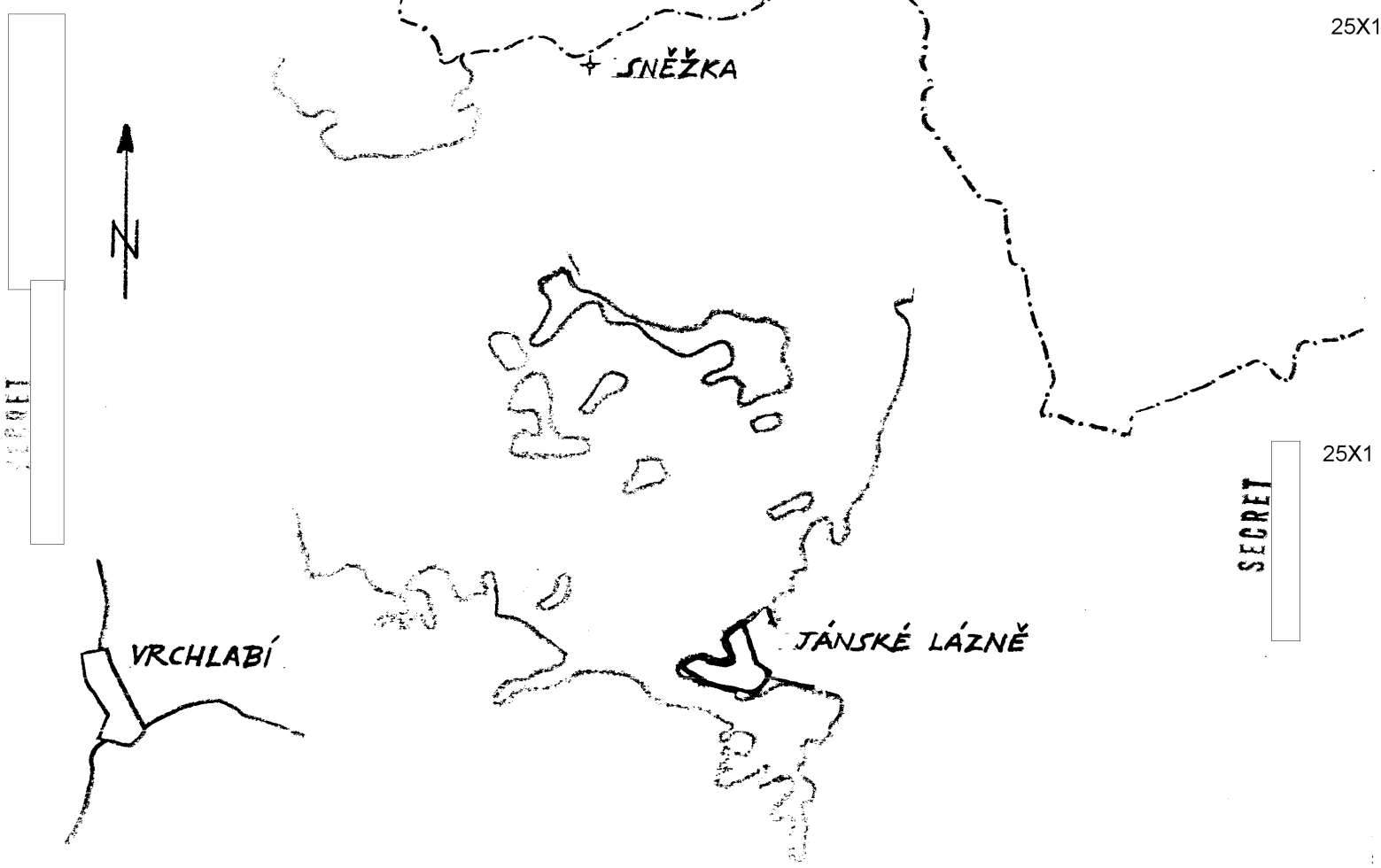
1. Sedimentation fields.
2. CHVALETICE processing plant.
3. Location of test drillings and ore deposits.
4. RYBITVI chemical plants.

SKETCH No 5 1 : 100,000 T-10



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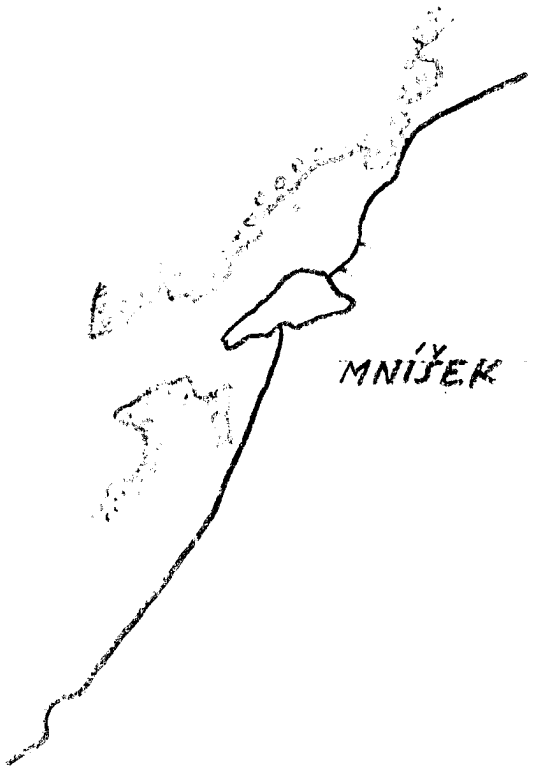

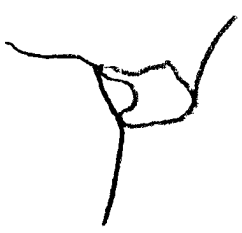

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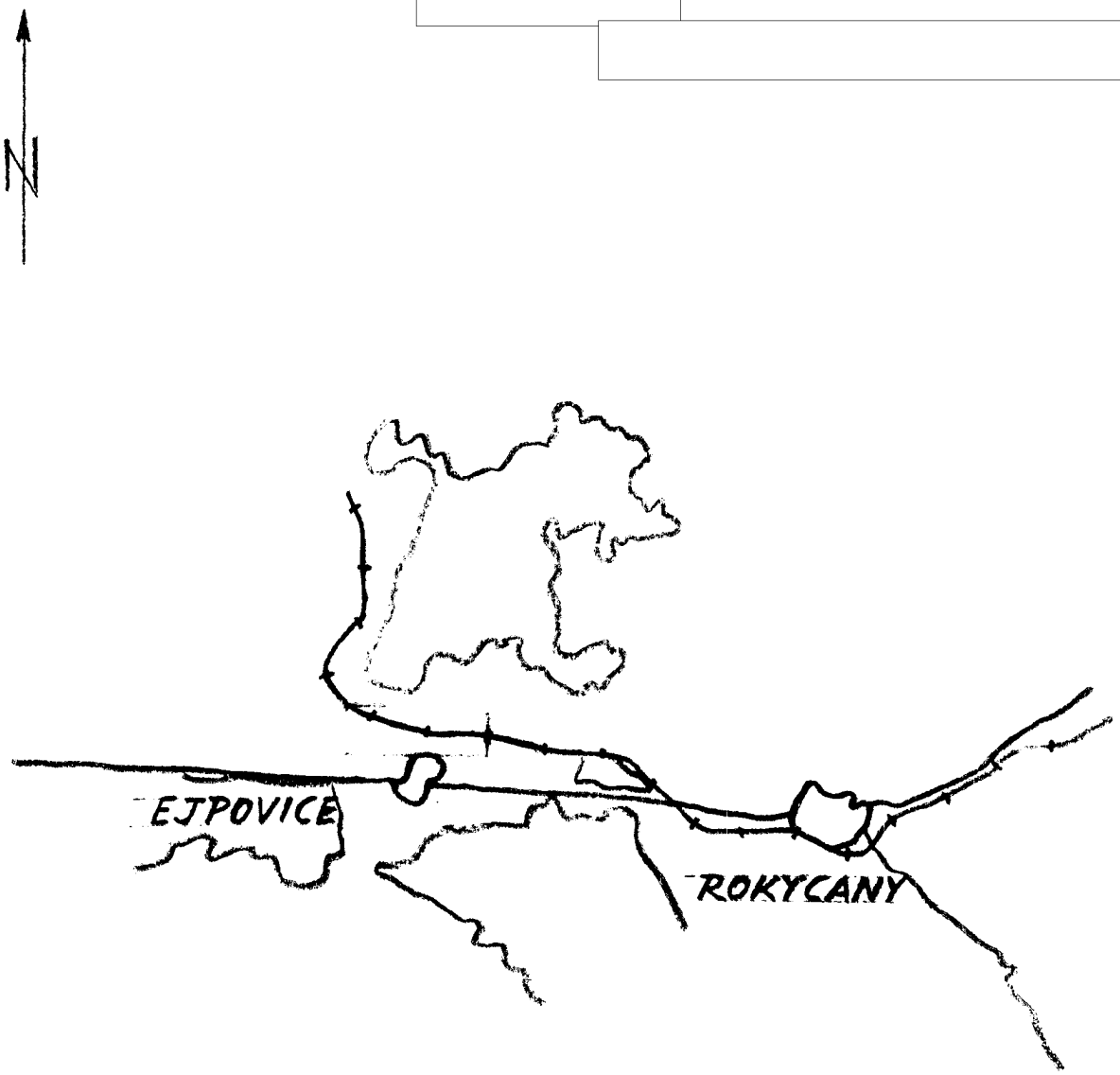

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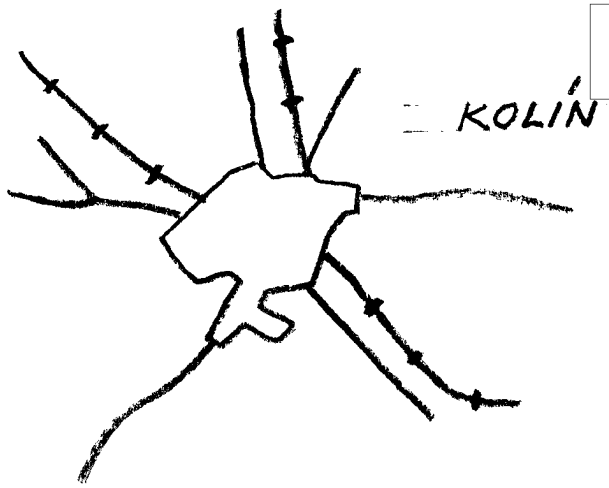

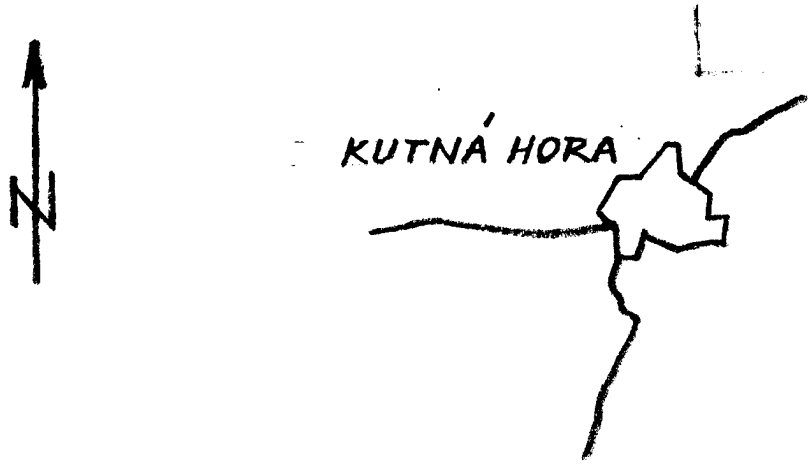

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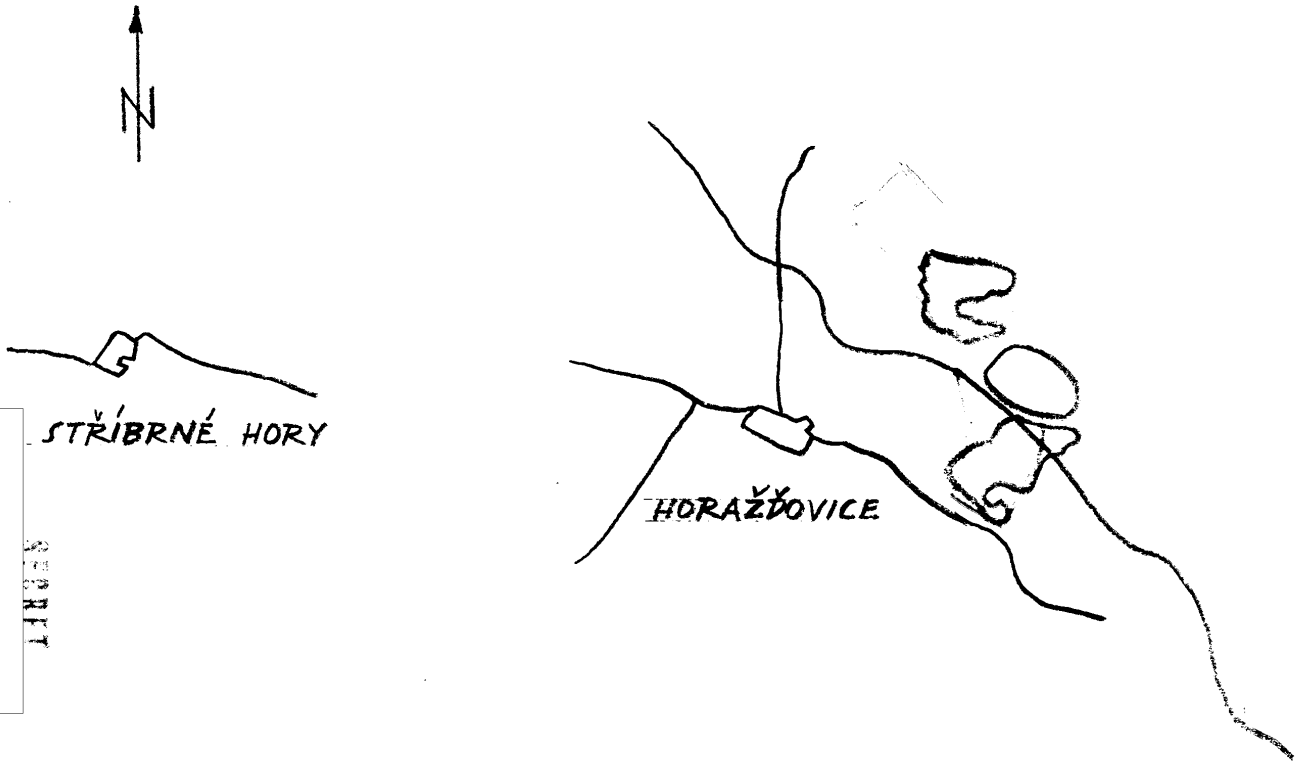

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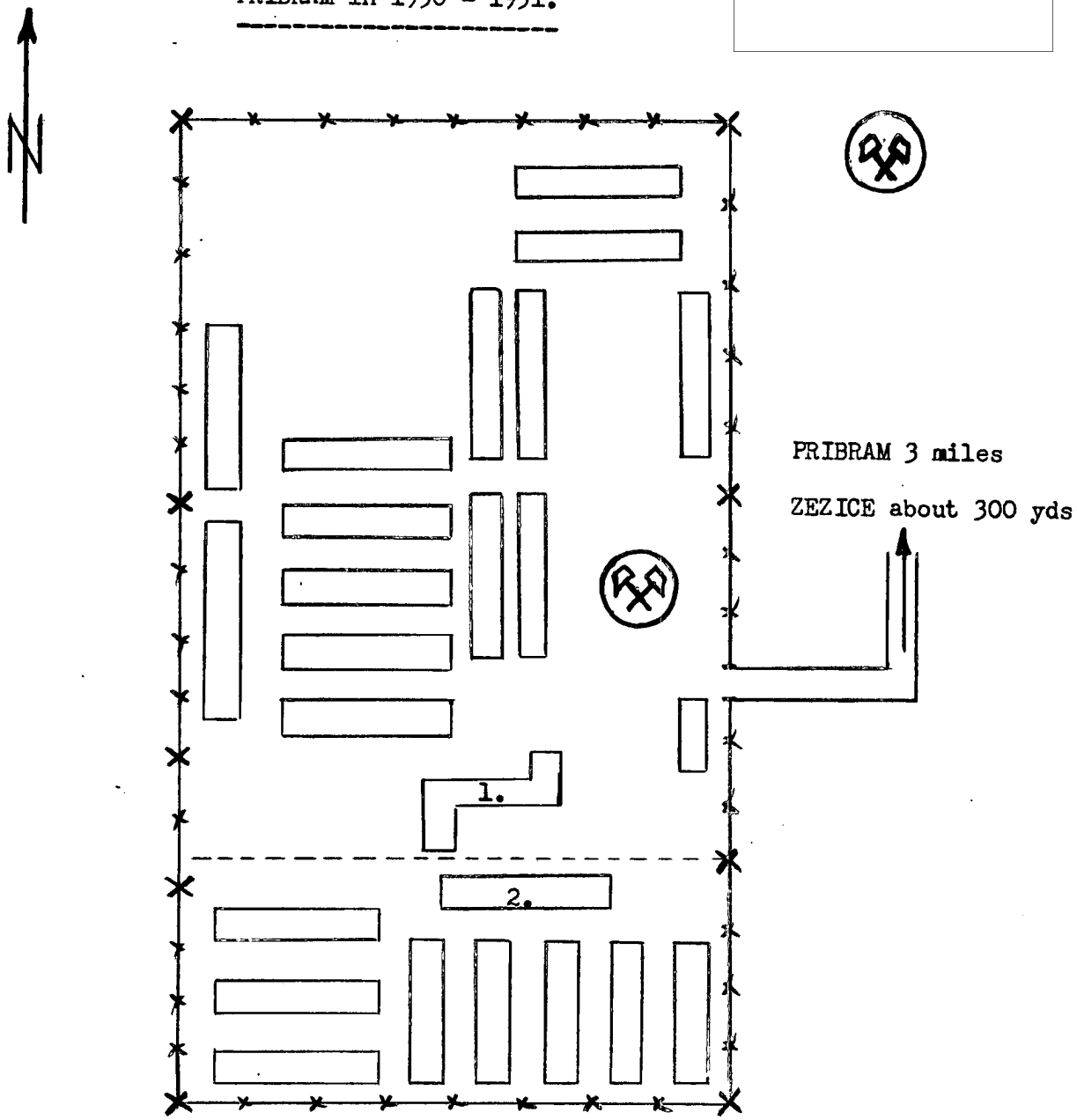
Sketch No.11 25X1

Schematic drawing of VOJNA I and VOJNA II TNP camps near PRIBRAM in 1950 - 1951. 25X1



Uranium mine

Watch tower

Barbed wire fence

1. Administrative building VOJNA I.

2. -"- -"- VOJNA II.

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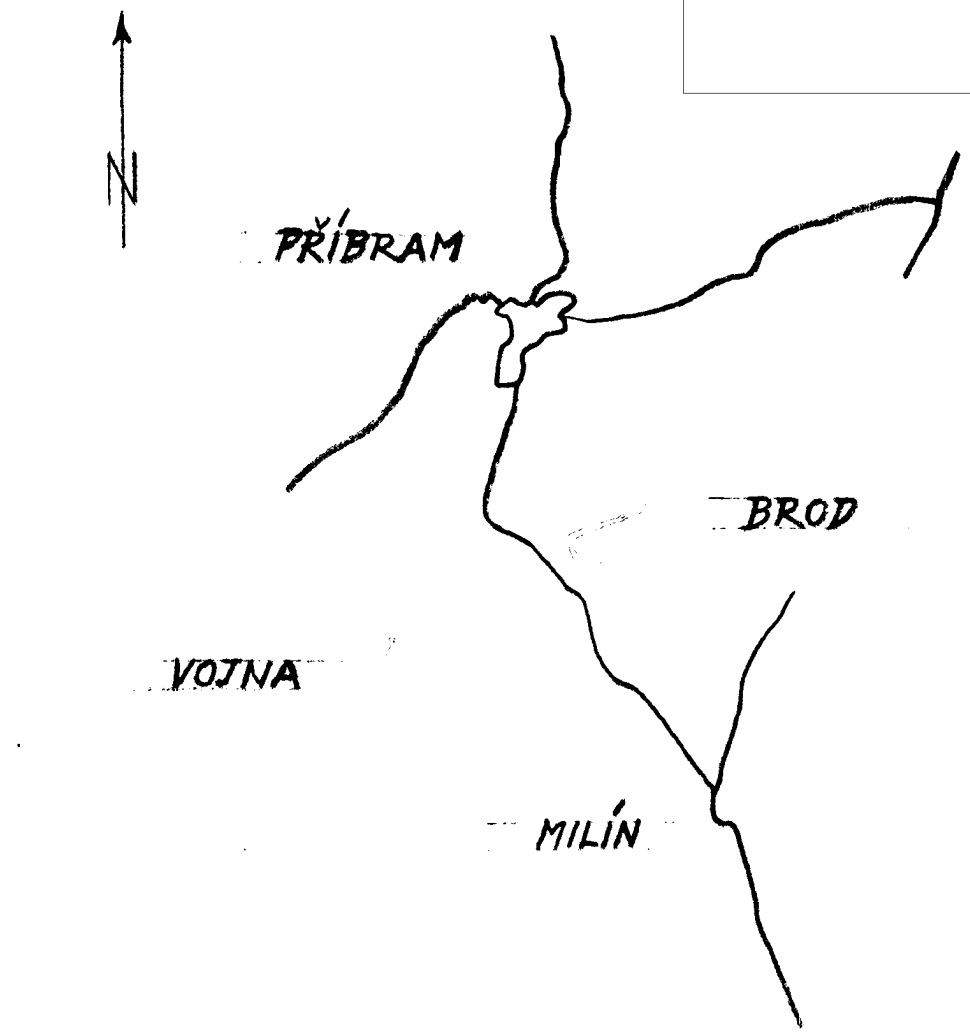

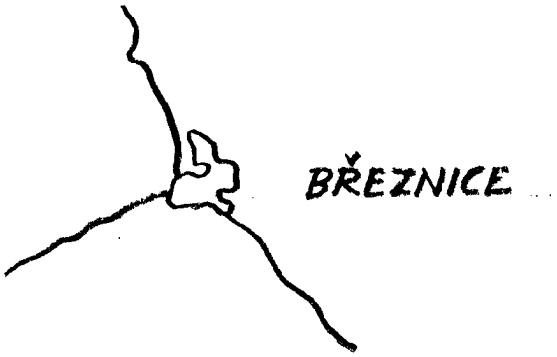

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Remark : The term "Pruzkum" is believed to most correctly translated in be the following way :

- as "Exploration" or "Prospecting" , in connection with practical drilling activity (drilling companies),

- as "Research", in connection with teoretical work (institutes) in a sense of "Vyzkum" (Research).

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